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(71)Applicant : SCANDIMED INTERNATL AB

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(72)Inventor : LIDGREN LARS
STROEMQVIST BJOERN
SEVERSON JOHAN

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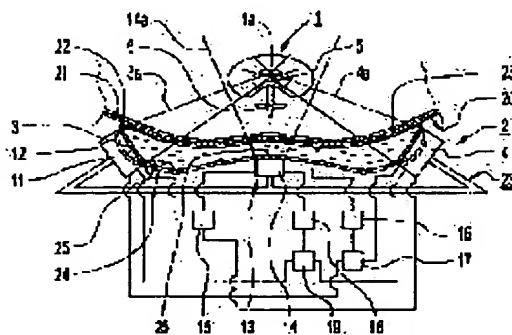
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(54) UNIT FOR NON-INVASIVE TREATMENT OF ORGANISM

(57)Abstract:

PROBLEM TO BE SOLVED: To enable an interspinal disk to be ultrasonic treated without degenerating tissue surrounding the interspinal disk, by acting an ultrasonic wave from an ultrasonic wave generator to the interspinal disk or a pulpy nucleus, heating to deform tissue in a focus area, and lowering pressure in the interspinal disk.

SOLUTION: Ultrasonic wave generators 3, 4 to generate ultrasonic waves 3a, 4a are equipped so that both waves are mutually overlapped at a focus area 5. The focus area 5 is determined on an interspinal disk 1, preferably a pulpy nucleus 1a, to heat tissue in the focus area 5 up to a temperature sufficient to deform the tissue. The pressure in the interspinal disk is lower thereby and pressure on the spinal cord is reduced. Further, an ultrasonic wave generator 14 is equipped on a therapeutic apparatus 13 to propagate the ultrasonic wave for registration of the interspinal disk 1 previous to the ultrasonic treatment. Thus ultrasonic effect can be effected in a wide range using at least two ultrasonic wave generator 3, 4 and the outputs of ultrasonic wave generators can be reduced. Thus the quantity of heat generated in the skin can be minimized.



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